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Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/688,581	BALASSANIAN ET AL.
	Examiner	**Art Unit**	
	Benjamin R Bruckart	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1) ☒ Responsive to communication(s) filed on <u>5-12-2004</u>.

2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4) ☒ Claim(s) <u>1-89</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) <u>1-89</u> is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a) ☐ All b) ☐ Some * c) ☐ None of:

      1. ☐ Certified copies of the priority documents have been received.

      2. ☐ Certified copies of the priority documents have been received in Application No. _____.

      3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____.

Detailed Action

Status of Claims:

Claims 1-89 are pending in this Office Action.

Claims 1-8, 10-23, 26-27, 29-32, 34-35, 37, 39-46, 49-89 remain rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 9, 27, 33, 36, 38, 47, 48 remain rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claims 24 and 25 remain rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 5,870,473 by Boesch ("Boesch").

Response to Arguments

Applicant's arguments filed in the amendment filed May 12, 2004, Paper No. 5, have been fully considered but they are not persuasive. The reasons are set forth below.

Applicant's invention as claimed:

Claims 1-8, 10-23, 26-27, 29-32, 34-35, 37, 39-46, 49-89 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Regarding claim 1, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

requesting the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

activating the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 2, the method of claim 1, further comprising establishing a need for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22).

Regarding claim 3, the method of claim 2, wherein establishing a need for the code for the feature is based on a request for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22).

Regarding claim 4, the method of claim 1, wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 5, the method of claim 4, wherein the sub-feature may be used with other features (Mishra: col. 9, lines 55-56; col. 10, lines 15-17).

Regarding claim 6, the method of claim 1, wherein the code received from the server component for the feature is an upgrade to an existing feature (Mishra: col. 9, lines 60-64).

Regarding claim 7. the method of claim 6, further comprising upgrading other existing features based on the code received from the server component for the feature (Mishra: col. 9, lines 60-64; col. 13, lines 26-36).

Regarding claim 8, the method of claim 1, wherein activating the feature comprises activating all resources associated with the feature (Mishra: col. 6, line 26).

Regarding claim 10, the method of claim 1, wherein requesting the code for the feature from a server component in the network includes at least one restriction on the feature (Mishra: col. 8, line 34; lines 39-42).

Regarding claim 11, the method of claim 10, wherein the at least one restriction on the feature is set by a user (Mishra: col. 8, lines 39-42).

Regarding claim 12, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):
    searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and
    requesting the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 13, the method of claim 12, further comprising:

requesting the code for the feature from the sever component within the network (Mishra: col. 2, lines 14-16; lines 20-23); and

receiving information from the server component within the network about the sub-features (Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 14, the method of claim 12, further comprising receiving code for the at least one sub-feature requested from the server component within the network (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 15, the method of claim 12, further comprising receiving a mapping for the at least one sub-feature requested from the server component within the network (Mishra: col. 5, lines 10-27; "active directory" is the mapped directory where the directory is shared access amount clients).

Regarding claim 16, the method of claim 14, further comprising receiving a mapping for the at least one sub-feature requested from the server component within the network (Mishra: col. 5, lines 10-27; "active directory" is the mapped directory where the directory is shared access amount clients).

Regarding claim 17, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a first component within the network (Mishra: Figure 4, "client requests a feature from the active directory");

searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

requesting the code for the feature from a second component in the network (Mishra: Fig. 4, client computer requests the code from the second component, the network server).

Regarding claim 18, the method of claim 17, further comprising receiving the code for the feature from the second component within the network (Mishra: col. 2, lines 20-23; second component is the network server).

Regarding claim 19, the method of claim 18, further comprising determining whether the first component has capability to process the code for the feature (Mishra: Figure 7, Tag 710, 712; col. 7, lines 9-17; col. 9, lines 29-34).

Regarding claim 20, the method of claim 19, wherein capability to process the code for the feature is based on a type of processor on the first component (Mishra: col. 9, lines 43-45).

Regarding claim 21, the method of claim 19, wherein capability to process the code for the feature is based on memory space on the first component (Mishra: col. 9, lines 43-45; associated with architecture of the computer).

Regarding claim 22, the method of claim 19, wherein capability to process the code for the feature is based on an operating system on the first component (Mishra: col. 9, lines 43-45).

Regarding claim 23, the method of claim 18, further comprising transferring the code for the feature to the first component within the network (Mishra: col. 2, lines 22, 23).

Regarding claim 26, the method of claim 23, further comprising storing locally the code for the feature (Mishra: col. 2, lines 23-25; installation is inherent as locally stored; col. 8, lines 22-24).

Regarding claim 27, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

transferring the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 29, the method of claim 27, wherein the feature comprises separate versions (Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 30, the method of claim 29, further comprising determining a version of the code for the feature to transfer to the component within the network (Mishra: col. 11, lines 60 and 61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application would be able to satisfy the CLSID col. 11, lines 26, 27).

Regarding claim 31, the method of claim 30, wherein determining a version of the code for the feature to transfer to the component within the network is based on a restriction (Mishra: col. 8, lines 39-42).

Regarding claim 32, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

requesting the code for at least one sub-feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving code for at least one sub-feature from the server component (Mishra: col. 2, lines 20-23); and

activating the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 34, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23), wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

determining whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9, lines 29-34, lines 43-45).

Regarding claim 35, the method of claim 34, further comprising transferring the code for the at least one sub-feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 37, the method of claim 34, further comprising transferring some of the code for sub-features of the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 39, the method of claim 34, wherein capability to process code for any sub- features of the feature is based on a type of processor on the component (Mishra: col. 9, lines 43-45).

Regarding claim 40, the method of claim 34, wherein capability to process code for any sub-features of the feature is based on memory space on the component (Mishra: col. 9, lines 43-45; part of processor architecture and generally part of query lines 29-34).

Regarding claim 41, the method of claim 34, wherein capability to process code for any sub-features of the feature is based on an operating system on the component (Mishra: col. 9, lines 43-45).

Regarding claim 42, the method of claim 34, wherein the request for the code for the feature includes at least one restriction on the feature (Mishra: col. 8, lines 39-42).

Regarding claim 43, the method of claim 34, wherein the at least one sub-feature comprises separate versions (Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 44, the method of claim 43, further comprising:

determining a version of the code for the at least one sub-feature to transfer to the component within the network (Mishra: col. 11, lines 60 and 61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application would be able to satisfy the CLSID col. 11, lines 26, 27); and

transferring the version of the code for the at least one sub-feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 45, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving code for a feature (Mishra: col. 2, lines 20-23);

determining whether a client needs the feature (Mishra: col. 2, lines 12-16); and

transferring the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 46, the method of claim 45, wherein the feature is an upgrade to an old feature (Mishra: col. 9, lines 60-64).

Regarding claim 49, the method of claim 45, wherein the feature is a sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 50, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

requesting the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving information from the server component within the network about the sub-features (Mishra: col. 11, lines 25-32; lines 44-46);

searching locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

requesting the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

activating the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 51, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

sending information to the first component about the sub-features (Mishra: col. 11, lines 25-32; lines 44-46);

receiving a request for the code for at least one sub-feature from the first component within the network (Mishra: Figure 4, "client requests a feature from the active directory");

searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

requesting the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 52, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for requesting the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

means for activating the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 53, the system of claim 52, wherein the feature comprises at least one sub- feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 54, the system of claim 53, wherein the sub-feature may be used with other features (Mishra: col. 9, lines 55-56; col. 10, lines 15-17).

Regarding claim 55, the system of claim 52, wherein the code received from the server component for the feature is an upgrade to an existing feature (Mishra: col. 9, lines 60-64).

Regarding claim 56, the system of claim 55, further comprising means for upgrading other existing features based on the code received from the server component for the feature (Mishra: col. 9, lines 60-64; col. 13, lines 26-36).

Regarding claim 57, the method of claim 52, wherein the means for requesting the code for the feature from a server component in the network includes at least one restriction on the feature (Mishra: col. 8, line 34; lines 39-42).

Regarding claim 58, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

means for requesting the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 59, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for requesting the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 60, the system of claim 59, further comprising means for receiving the code for the feature from the second component within the network (Mishra: col. 6, lines 19-23; lines 27-32; col. 2, lines 20-22; the active directory which is advertised to from the server).

Regarding claim 61, the system of claim 60, further comprising means for determining whether the first component has capability to process the code for the feature (Mishra: col. 9, lines 29-34).

Regarding claim 62, the system of claim 60, further comprising means for transferring the code for the feature to the first component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 63, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for transferring the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 64, the system of claim 63, wherein the feature comprises separate versions (Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 65, the system of claim 64, further comprising means for determining a version of the code for the feature to transfer to the component within the network (Mishra: col. 11, lines 60 and 61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application would be able to satisfy the CLSID col. 11, lines 26, 27).

Regarding claim 66, the system of claim 65, wherein the means for determining a version of the code for the feature to transfer to the component within the network is based on a restriction (Mishra: col. 8, lines 39-42).

Regarding claim 67, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for requesting the code for at least one sub-feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving code for at least one sub-feature from the server component (Mishra: col. 2, lines 20-23); and

means for activating the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 68, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for determining whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).

Regarding claim 69, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving code for a feature (Mishra: col. 2, lines 20-23);

means for determining whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

means for transferring the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 70, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for requesting the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving information from the server component within the network about the sub-features (Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

means for requesting the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

means for activating the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 71, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for sending information to the first component about the sub features (Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for receiving a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for requesting the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 72, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 73, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

means for causing the computer to request the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 74, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a first component within the network (Mishra: col. 2, lines 20-23);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to request the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 75, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to transfer the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 76, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to request the code for at least one sub feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive code for at least one sub-feature from the server component (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 77, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23), wherein the feature comprises at least one sub feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to determine whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).

Regarding claim 78, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive code for a feature (Mishra: col. 2, lines 20-23);

means for causing the computer to determine whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

means for causing the computer to transfer the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 79, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature, wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive information from the server component within the network about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to search locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 80, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a first component within the network (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to send information to the first component about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 2, lines 14-16; lines 20-23; active directory);

means for causing the computer to search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to request the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23; network server).

Regarding claim 81, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16);

request the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receive the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

activate the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 82, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

request the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 83, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

request the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 84, a system for deploying computer code Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

transfer the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 85, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

request the code for at least one sub-feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receive code for at least one sub-feature from the server component (Mishra: col. 2, lines 14-16; lines 20-23); and

activate the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 86, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

determine whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).

Regarding claim 87, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive code for a feature (Mishra: col. 2, lines 14-16; lines 20-23);

determine whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

transfer the code for the feature to at least one client (Mishra: col. 2, lines 20-23; "install").

Regarding claim 88, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature, wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the feature (Mishra: col. 2, lines 12-16);

request the code for the feature from a server component within network (Mishra: col. 2, lines 14-16; lines 20-23);

receive information from the server component within the network about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

search locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

request the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receive the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23); and

activate the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 89, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a first component within the network, wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

send information to the first component about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

receive a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

request the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23)

Claims 9, 27, 33, 36, 38, 47, 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 5,870,473 by Boesch ("Boesch").

Regarding claim 9,

The Mishra reference teaches a system of installing software implementations and componets via a network connection to a server. The Mishra reference lacks mapping file formats.

The Austin reference teaches, the method of claim 1, wherein the code for the feature received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claims 24 and 25,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference does not explicitly state the use of encryption in its installation transfers.

The Boesch reference teaches, the method of claim 23, further comprising encrypting the code for the feature before transferring the code for the feature to the first component within the network (Boesch: col. 1, lines 26-35) and the method of claim 23, further comprising digitally signing the code for the feature before transferring the code for the feature to the first component within the network (Boesch: col. 1, lines 26-35).

The Boesch reference further teaches that digitally signed certificates provide authentication and security by heavily encrypting the message (Boesch: col. 1, lines 31-35).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while digitally signing and encrypting the code as taught by Boesch in order to provide authentication and security to the sender and the receiver (Boesch: col. 1, lines 31-35).

Regarding claim 28,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats.

The Austin reference teaches, the method of claim 27, wherein the code for the feature received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claim 33,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats.

The Austin reference teaches, the method of claim 32, wherein the code for the feature received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claims 36 and 38,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats in transfers.

The Austin reference teaches, the method of claim 37, transferring code for a mapping to the component within the network (Austin: col. 3, lines 22-33; convert the data) and the method of claim 35, wherein the code for the at least one sub-feature transferred to the component within the network is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claims 47 and 48,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats in transfers.

The Austin reference teaches, the method of claim 45, transferring code for a mapping to the at least one client (Austin: col. 3, lines 22-33; convert the data) and the method of claim 45, wherein the code transferred is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

The Applicant Argues:

Applicant has added new oath and declaration documents and amended the specification to claim priority of a parent application with the filing date of March 18, 1998.

In response, the examiner respectfully submits:

Priority is denied because the applicant has not perfected priority. The examiner is not persuaded without the addition of priority overcoming the previous 102(e) rejection.

MPEP Patent Rule 1.78(a)(2)(ii) states:

This reference must be submitted during the pendency of the later-filed application. If the later-filed application is an application filed under 35 U.S.C. 111(a), this reference must also be submitted within the later of four months from the actual filing date of the later-filed application or sixteen months from the filing date of the prior-filed application. If the later-filed application is a nonprovisional application which entered the national stage from an international application after compliance with 35 U.S.C. 371, this reference must also be submitted within the later of four months from the date on which the national stage commenced under 35 U.S.C. 371 (b) or (f) in the later-filed international application or sixteen months from the filing date of the prior-filed application. These time periods are not extendable. Except as provided in paragraph (a)(3) of this section, the failure to timely submit the reference required by 35 U.S.C. 120 and paragraph (a)(2)(i) of this section is considered a waiver of any benefit under 35 U.S.C. 120, 121, or 365(c) to such prior-filed application. The time periods in this paragraph do not apply if the later-filed application is:

(A)   An application for a design patent;

(B)   An application filed under 35 U.S.C. 111 (a) before November 29, 2000; or

(C)   A nonprovisional application which entered the national stage after compliance with 35 U.S.C. 371 from an international application filed under 35 U.S.C. 363 before November 29, 2000.

MPEP Patent Rule 1.78(a)(3) states:

If the reference required by 35 U.S.C. 120 and paragraph (a)(2) of this section is presented in a nonprovisional application after the time period provided by paragraph (a)(2)(ii) of this section, the claim under 35 U.S.C. 120, 121, or 365(c) for the benefit of a prior-filed copending nonprovisional application or international application designating the United States of America may be accepted if the reference identifying the prior-filed application by application number or international application number and international filing date was unintentionally delayed. A petition to accept an unintentionally delayed claim under 35 U.S.C. 120, 121, or 365(c) for the benefit of a prior-filed application must be accompanied by:

(i)   The reference required by 35 U.S.C. 120 and paragraph (a)(2) of this section to the prior-filed application, unless previously submitted;

(ii)   The surcharge set forth in § 1.17(t); and

(iii)   A statement that the entire delay between the date the claim was due under paragraph (a)(2)(ii) of this section and the date the claim was filed was unintentional. The Commissioner may require additional information where there is a question whether the delay was unintentional.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Benjamin R Bruckart whose telephone number is (703) 305-0324. The examiner can normally be reached on 8:00-5:30PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (703) 308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Benjamin R Bruckart
Examiner
Art Unit 2155
brb
June 17, 2004

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER